

**Metcalf & Eddy**

An Air & Water Technologies Company

April 6, 1998

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379522

Mr. Sirtaj Ahmed, Remedial Project Coordinator
U.S. Environmental Protection Agency, Region 5
Office of Superfund, Remedial & Enforcement Response Branch
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

Subject: Granville Solvents Site Removal Action Quarterly Report - April 1998

Dear Mr. Ahmed:

On behalf of the Granville Solvents Site PRP Group, Metcalf & Eddy, Inc. submits the Quarterly Report for the Removal Action at the Granville Solvents Site. Copies have been sent to the following individuals:

Mr. Steve Acree, U.S. EPA
Mr. Mike Anastasio, U.S. EPA
Mr. Fred Myers, Ohio EPA
Mr. Joe Hickman, Village of Granville Manager

If you have questions regarding this submittal, please contact Michael Raimonde or me at (614) 890- 5501.

Respectfully,

METCALF & EDDY, INC.

Gerald R. Myers *for*
Vice President/Project Coordinator

cc: B. Pfefferle, Chairman - GSS PRP Group
M. Raimonde, M&E

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GRANVILLE SOLVENTS SITE REMOVAL ACTION QUARTERLY REPORT

APRIL 1998

Pursuant to the requirement set forth in the Administrative Order on Consent (AOC, September 7, 1994) between the U.S. EPA and the Granville Solvents Site (GSS) Potentially Responsible Parties (PRP) Group in Section 2.5 - Reporting and the letter dated November 14, 1996 from Ms. Diane Spencer (U.S. EPA), this report constitutes the Quarterly written progress report concerning actions undertaken pursuant to the AOC.

I. PROGRESS MADE DURING REPORTING PERIOD

The GSS PRP Group was notified on February 13, 1998 of a change in the U.S.EPA assigned project personnel. The GSS PRP Group was directed to submit all future correspondence and inquiries to Ms. Linda Nachowicz. Ms. Nachowicz, subsequently informed the GSS PRP Group that a Mr. Sirtaj Ahmed has been assigned as the Remedial Project Manager.

Source Area Groundwater Control

The groundwater pumping and treatment system operated for a total of 732 hours in January, 672 hours in February, and 744 hours in March, for a total of 2,148 hours (99.4 % of the total time available) during the first quarter of 1998. The treatment system processed approximately 9.66 million gallons of water in January, 8.87 million gallons of water in February, and 9.82 million gallons of water in March for a total of 28.4 million gallons of water. Since operation began, the system has processed more than 437 million gallons of water. Scheduled monthly maintenance was performed on the treatment system to ensure peak operation. This maintenance included the: replacement of the bag filters, lubrication of the motors, and the maintenance of the control panel and level sensors. On January 29, 1998 iron oxide build-up was removed by washing with an acid solution resulting in an increase in the VOC removal efficiency.

Water samples were collected from the system's influent and effluent sampling ports on January 21, 1998, February 18, 1997, and March 18, 1997. The analytical results are presented in Table 1.

TABLE 1

VOCs	Influent January	Effluent January	Influent February	Effluent February	Influent March	Effluent March
1,1,1-trichloroethane	26.9 µg/l	ND	26.8 µg/l	ND	23.7 µg/l	ND
cis-1,2-dichloroethene	5.3 µg/l	ND	4.9 µg/l	ND	5.3 µg/l	ND
tetrachloroethane	27.7 µg/l	ND	23.1 µg/l	ND	24.1 µg/l	ND
trichloroethene	28.9 µg/l	ND	27.6 µg/l	ND	29.4 µg/l	0.34 µg/l
1,1-dichloroethane	ND	ND	ND	ND	0.37 µg/l	ND

Extraction wells GSS-EW1 and GSS-EW2 are operated at an average flow rate of approximately 140 gallons per minute (gpm) and 80 gpm, respectively for the first quarter of 1998. The total pumping rate has averaged 220 gpm for the first quarter of 1998.

The results of the sample analyses listed in Table 1 represent typical influent and effluent concentrations at GSS, and it has been recorded that approximately 28.4 million gallons of water were processed. Based on these data, approximately 0.28 lbs/day in January, 0.26 lbs/day in February, and 0.24 lbs/day in March of total VOCs were discharged to the atmosphere during this reporting period.

Groundwater Monitoring Plan

Groundwater level measurements were collected on January 21, 1998, February 18, 1998, and March 18, 1998 as specified in the Groundwater Monitoring Plan and will be used to develop potentiometric surface maps. The quarterly sampling event for VOCs was conducted on February 11, 1998.

Source Area Soils

The Engineering Evaluation/ Cost Analysis (EE/CA) and the Groundwater Flow and Contaminant Fate and Transport Model Report are currently being revised so that they might be re-issued next period. The GSS PRP Group requests that the U.S. EPA review these documents and prepare to submit these documents for public review in May.

Active or Completed Tasks

The following specific tasks were completed during the reporting period:

- Collected water samples on January 21, 1998, February 18, 1998, and March 18, 1998 from the treatment system influent and effluent sampling ports.
- Collected water level measurements on January 21, 1998, February 18, 1998, and March 18, 1998.
- Acid washed the air stripper on January 29, 1998.

DELIVERABLES (THIS PERIOD AND NEXT PERIOD)**CURRENT PERIOD:**

<u>Deliverable</u>	<u>Due Date</u>	<u>Delivered</u>
Quarterly Report	April 7, 1998	April 7, 1998

NEXT PERIOD:

<u>Deliverable</u>	<u>Due Date</u>	<u>Delivered</u>
Quarterly Report	August 7, 1998	

Re-issue EE/CA to U.S.EPA

Re-issue Groundwater Flow and Contaminant
Fate and Transport Modeling Report**III. DIFFICULTIES ENCOUNTERED AND REMEDIAL ACTIONS TAKEN THIS PERIOD**

No difficulties were encountered during this reporting period.

IV. ANTICIPATED ACTIVITIES DURING NEXT REPORTING PERIOD

During the next reporting period, the following tasks are scheduled to be performed:

Collect potentiometric surface data.

Sample treatment system influent and effluent water.

Scheduled maintenance of the treatment system.

Acid wash the air stripper.

Re-issue the EE/CA to the U.S. EPA.

Re-issue the Groundwater Flow and Contaminant Fate and Transport Model Report to the U.S. EPA.

→ Submit the EE/CA for public review in May 1998.

Facsimile Transmittal

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Date/Time: 4-6-98

of Pages 5
Being Sent:

To: Mr. Surtaj Ahmed

312-886-4071
FAX Number

Company/Office: US EPA Region 5

From: Becky Chavez

Extension 245

Subject: GSS - Quarterly Report

M&E Job
Number: _____

Remarks/Comments:

Please call to
confirm Fax Receipt:

☐
Yes

☐
No

Please call if you have any questions
regarding this submittal.

If there is a misfeed or you did not receive the number of pages indicated above, please contact the sender at (614) 890-5501.